

## Storm Data and Unusual Weather Phenomena - February 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ILLINOIS, South</b>				
(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN				
	02/03/13 00:00 CST		0	Winter Weather
	02/03/13 04:00 CST		0	
<p>A fast-moving disturbance in the upper levels of the atmosphere raced southeast from the Dakotas across the Lower Ohio Valley. A burst of moderate to heavy snow accompanied this system, producing one to two inches of snowfall within a couple of hours. Visibility was reduced to one-quarter to one-half mile. The accumulating snow occurred along and northeast of a line from Pinckneyville to Harrisburg to Shawneetown. Specific snowfall amounts included 2 inches in Du Quoin, Herrin, and Harrisburg, 1.5 inches in Mount Vernon, and 1 inch in Fairfield. There was a small pocket of 3 to 4 inches of snow on the west side of Rend Lake in southwest Jefferson and northwest Franklin Counties. Roads were snow-covered and slippery, especially secondary roads.</p>				
<b>GALLATIN COUNTY --- SHAWNEETOWN [37.70, -88.13], 1.8 SW SHAWNEETOWN [37.68, -88.15], 1.6 SSW SHAWNEETOWN [37.68, -88.14], 0.3 SE SHAWNEETOWN [37.70, -88.13]</b>				
	02/04/13 06:00 CST		0	Flood (due to Heavy Rain)
	02/10/13 10:00 CST		0	Source: River/Stream Gage
<p>Minor flooding occurred along the Ohio River. Low-lying woods and fields were flooded, along with river access roads and boat ramps.</p>				
<b>MASSAC COUNTY --- BROOKPORT [37.12, -88.63], 2.8 WNW BROOKPORT [37.13, -88.68], 2.6 WNW BROOKPORT [37.14, -88.67], 0.5 NW BROOKPORT [37.12, -88.64]</b>				
	02/06/13 14:00 CST		0	Flood (due to Heavy Rain)
	02/11/13 08:00 CST		0	Source: River/Stream Gage
<p>Minor flooding occurred along the Ohio River. Low-lying woods and fields, as well as riverside access roads, were inundated. Small portions of Fort Massac State Park in Metropolis were flooded.</p>				
<b>PULASKI COUNTY --- 2.8 SSE NEW GRAND CHAIN [37.22, -89.00], 1.0 E OLMSTED [37.18, -89.06], 1.0 NE OLMSTED [37.19, -89.07], 1.8 SSE NEW GRAND CHAIN [37.23, -89.01]</b>				
	02/07/13 13:00 CST		0	Flood (due to Heavy Rain)
	02/11/13 08:00 CST		0	Source: River/Stream Gage
<p>Minor flooding occurred along the Ohio River. Low-lying woods and fields, as well as riverside access roads, were inundated.</p>				
<p>Heavy rain in the northern half of the Ohio Valley caused rises along the Ohio River. Minor flooding occurred along some stretches of the river.</p>				
<b>(IL-Z083) WHITE, (IL-Z084) JACKSON</b>				
	02/18/13 10:00 CST		2K	Strong Wind (MAX 45 kt)
	02/18/13 18:00 CST		0	
<p>South winds increased ahead of a cold front approaching from Missouri. Sustained winds were mostly from 15 to 30 mph, with gusts from 35 to 45 mph. A couple of locations measured gusts over 45 mph. The automated observing system at the Carbondale airport measured a gust to 52 mph. The automated system at the Carmi airport measured a gust to 46 mph.</p>				
<b>(IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z092) ALEXANDER</b>				
	02/21/13 10:00 CST		0.15M	Winter Storm
	02/21/13 22:00 CST		0	
<b>(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z093) PULASKI, (IL-Z094) MASSAC</b>				
	02/21/13 11:00 CST		0	Winter Weather
	02/21/13 22:00 CST		0	
<p>A low pressure system moved slowly northeast from the southern Plains into western Missouri. A warm front extending east from the low pressure center lifted north across the Tennessee Valley. A large area of wintry precipitation developed ahead of the warm front. The heaviest accumulations of sleet and freezing rain were over the Mississippi River counties, as well as an east to west band along Illinois Route 13 through the Harrisburg area. Those areas received one-half to one inch of sleet and/or about one-quarter inch of freezing rain. Across the remainder of southern Illinois, sleet accumulations were less than one-half inch, and ice accumulations were</p>				

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under one-quarter inch. About one inch of sleet was reported at Carbondale, and three-quarters of an inch of sleet at Benton. One-quarter inch of icing was reported in Gallatin County. Roads were reported to be slick and very hazardous, mainly along and north of a line from Shawneetown to Harrisburg to Carbondale. Numerous accidents were reported in Gallatin and Franklin Counties. A brief period of heavy snow accumulated to a depth of about one-half to one inch along and west of a Mount Vernon to Carbondale line.

### INDIANA, Southwest

(IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

02/03/13 02:00 CST	0	Winter Weather
02/03/13 06:00 CST	0	

A fast-moving disturbance in the upper levels of the atmosphere raced southeast from the Dakotas across the Lower Ohio Valley. A burst of moderate snow accompanied this system, producing one to two inches of snowfall within a couple of hours. Visibility was reduced to one-half to one mile. The accumulating snow occurred along and south of Interstate 64. Specific snowfall amounts included 2 inches in Mount Vernon, and 1 inch in Evansville and Poseyville. Roads were snow-covered and slippery, especially secondary roads.

WARRICK COUNTY --- 0.7 SSE NEWBURGH [37.94, -87.42], 2.1 ESE NEWBURGH [37.93, -87.39], 2.0 ESE NEWBURGH [37.94, -87.39], 1.2 ESE NEWBURGH [37.94, -87.40]

02/04/13 09:00 CST	0	Flood (due to Heavy Rain)
02/08/13 19:00 CST	0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. Low-lying fields and woodlands were inundated, along with river access roads.

POSEY COUNTY --- MT VERNON [37.93, -87.90], 0.8 SSW MT VERNON [37.92, -87.91], 1.3 NNE HOVEY [37.92, -87.92], 0.6 SW MT VERNON [37.93, -87.91]

02/05/13 07:00 CST	0	Flood (due to Heavy Rain)
02/09/13 14:00 CST	0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. Low-lying fields and woodlands were inundated, along with river access roads.

Heavy rain in the northern half of the Ohio Valley caused rises along the Ohio River. Minor flooding occurred along some stretches of the river.

(IN-Z087) WARRICK

02/18/13 10:00 CST	1K	Strong Wind (MAX 41 kt)
02/18/13 18:00 CST	0	

South winds increased ahead of a cold front approaching from Missouri. Sustained winds were mostly from 15 to 30 mph, with gusts from 35 to 45 mph. One location measured a gust over 45 mph. A trained spotter at Newburgh in Warrick County measured a gust to 47 mph.

(IN-Z081) GIBSON, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH

02/21/13 15:00 CST	0	Winter Weather
02/21/13 21:00 CST	0	

A low pressure system moved slowly northeast from the southern Plains into western Missouri. A warm front extending east from the low pressure center lifted north across the Tennessee Valley. A large area of wintry precipitation developed ahead of the warm front. Across Gibson County, roads were very slippery due to a combination of snow, sleet, and freezing rain. U.S. Highway 41 was extremely slippery in Gibson County. A thin glaze of ice less than one-quarter inch was reported on trees and power lines in Evansville. The Posey County area received a mixed bag of wintry precipitation. Accumulations were generally less than one-half inch of sleet and less than one-quarter inch of freezing rain.

### KENTUCKY, Southwest

(KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG

02/03/13 02:00 CST	0	Winter Weather
02/03/13 06:00 CST	0	

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A fast-moving disturbance in the upper levels of the atmosphere raced southeast from the Dakotas across the Lower Ohio Valley. A burst of moderate snow accompanied this system, producing generally one to two inches of snowfall within a couple of hours. Visibility was reduced to one-half to one mile. The accumulating snow occurred along and northeast of a line from Morganfield through Providence and Madisonville to Central City. Specific snowfall amounts included 3 inches in Livermore (McLean County), 2 inches in Owensboro, Madisonville, and Central City, and 1.5 inches in Henderson. Clay and Slaughters in Webster County each reported 2 inches. Roads were snow-covered and slippery, especially secondary roads.

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UNION COUNTY --- 0.8 NW UNIONTOWN [37.78, -87.94], 1.7 N UNIONTOWN [37.79, -87.93], 1.4 N UNIONTOWN [37.79, -87.93], 0.5 N UNIONTOWN [37.78, -87.93]

02/06/13 09:00 CST	0	Flood (due to Heavy Rain)
02/09/13 17:00 CST	0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. Low-lying woods and fields, along with some river access roads, were inundated.

Heavy rain in the northern half of the Ohio Valley caused rises along the Ohio River. Minor flooding occurred along some stretches of the river.

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(KY-Z012) TRIGG, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z020) MCLEAN

02/18/13 11:00 CST	5K	Strong Wind (MAX 43 kt)
02/18/13 22:00 CST	0	

South winds increased ahead of a cold front approaching from Missouri. Sustained winds were mostly from 15 to 30 mph, with gusts from 35 to 50 mph. Several locations measured gusts over 45 mph. Those locations included the mesonet site near Cadiz (in Trigg County), which measured a gust to 50 mph. The automated observing site at Fort Campbell near Hopkinsville measured a gust to 48 mph. Wind gusts to 46 mph were measured at the Henderson airport and the mesonet site near Madisonville. Wind gusts to 45 mph were measured at the Madisonville airport and the mesonet site in McLean County near Calhoun.

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(KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCracken, (KY-Z007) LIVINGSTON, (KY-Z010) CRITTENDEN, (KY-Z014) UNION, (KY-Z018) HENDERSON

02/21/13 15:00 CST	0	Winter Weather
02/21/13 20:00 CST	0	

A low pressure system moved slowly northeast from the southern Plains into western Missouri. A warm front extending east from the low pressure center lifted north across the Tennessee Valley. A large area of wintry precipitation developed ahead of the warm front. Between one-tenth and one-quarter inch of ice glazed trees and power lines, mainly along the Ohio River counties from Henderson to Paducah. Isolated power outages were reported due to downed tree limbs. Short bursts of heavy freezing rain occurred in thunderstorms.

### MISSOURI, Southeast

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(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT

02/21/13 07:00 CST	0.75M	Ice Storm
02/21/13 19:00 CST	0	

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(MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID

02/21/13 10:00 CST	0	Winter Weather
02/21/13 15:00 CST	0	

A low pressure system moved slowly northeast from the southern Plains into western Missouri. A warm front extending east from the low pressure center lifted north across the Tennessee Valley. A large area of wintry precipitation developed ahead of the warm front. Damaging ice accumulations from one-quarter to one-half inch brought down tree limbs over most of southeast Missouri. The extreme southeast counties of New Madrid and Mississippi received only a trace to a tenth of an inch of ice, which accumulated mostly on elevated surfaces and lesser travelled roads. Short bursts of heavy sleet and freezing rain occurred in thunderstorms. The heaviest ice accumulations and most widespread power outages occurred along and west of a line from Dexter (in Stoddard County) to Marble Hill (in Bollinger County). Roads were slick and very hazardous to the north and west of Sikeston in Scott County. Around Neelyville in Butler County, electrical transformers were exploding, and 15 to 20 foot tall trees were bending toward the ground. On the north side of Cape Girardeau, tree branches several inches in diameter were brought down. Accidents were reported on Interstate 55 in Cape Girardeau County.

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*Photo of ice-covered trees and brush about seven miles northwest of Poplar Bluff, courtesy of John Hibler. The February 21 ice storm caused numerous power outages in the Ozark foothills of southeast Missouri.*